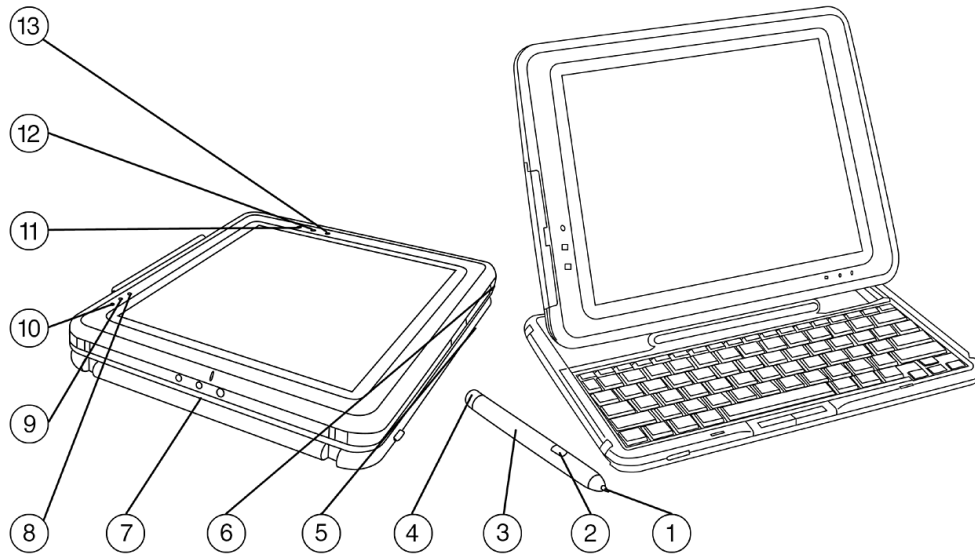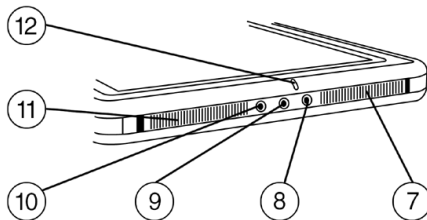*Overview*

1. Pen Tip
2. Pen Button
3. Pen Barrel
4. Pen Tether Eyelet
5. Battery Bay
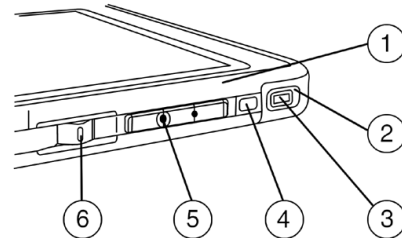6. Power Switch
7. Mobile Keyboard (attached)

8. AC Adapter Light
9. Battery Light
10. Wireless LAN/Bluetooth™ Activity Light
11. Tablet PC Input Panel Launch
12. Journal Launch Button
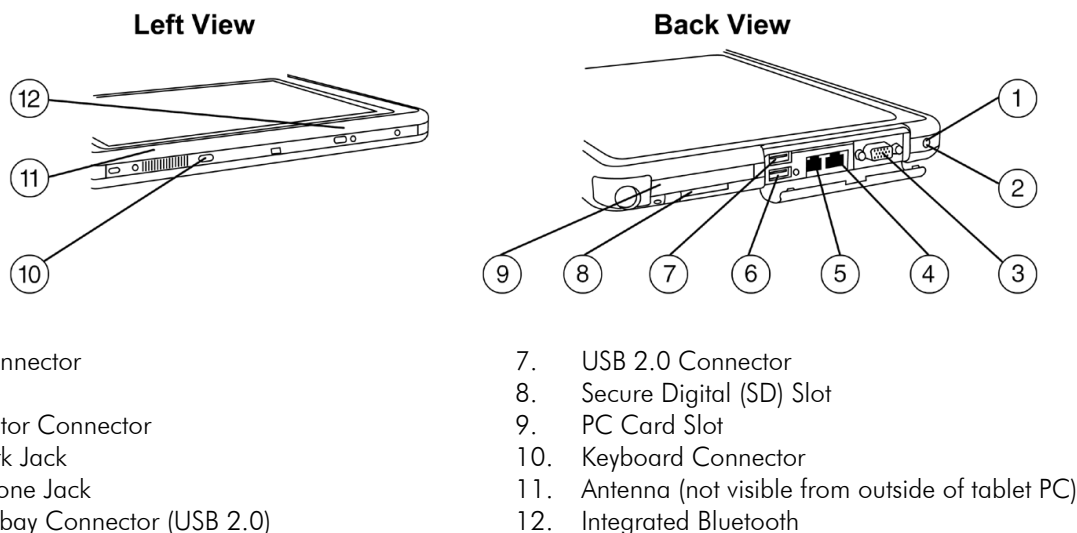13. Rotate Button

Front View

Right View

1. Integrated Antenna
2. Power Switch
3. Power/Standby Light
4. Display Toggle (F4) Button
5. Windows Security Button (CTRL+ALT+DEL)
6. Jog Dial

7. Speaker (1 of 2)
8. Microphone Jack
9. Headset Jack
10. Audio-out Jack
11. Speaker (1 of 2)
12. Microphone

Overview

Left View

Back View

1.   AC Power Connector
2.   Integrated IR
3.   External Monitor Connector
4.   RJ-45 Network Jack
5.   RJ-11 Telephone Jack
6.   External Multibay Connector (USB 2.0)

7.   USB 2.0 Connector
8.   Secure Digital (SD) Slot
9.   PC Card Slot
10. Keyboard Connector
11. Antenna (not visible from outside of tablet PC)
12. Integrated Bluetooth

At A Glance

- Award-winning design
- Microsoft Windows XP Tablet Edition 2005 and Windows XP Service Pack 2
- Intel® Pentium® M and Celeron® M Ultra Low Voltage processors
- Intel 855PM Chipset with rich graphics from NVIDIA - GeForce 4 Go 420 32MB (4X AGP)
- Durable magnesium casing
- Weighs 3.1 lb(1.4 kg) - with keyboard 4.0 lb(1.8 kg)
- Approximately 0.8 in(2.0 cm) thin
- 10.4-inch XGA TFT display with sparkle-free glass
- Starting with 256 MB or 512 MB of SDRAM upgradeable to 2 GB
- Storage available ranging from 40 GB to 80 GB
- Integrated mini PCI 56K modem plus 10/100 NIC
- Type III Mini PCI integrated WLAN - 802.11b WLAN, 802.11b/g WLAN, and 802.11a/b/g WLAN options
- Integrated Bluetooth™ on select models
- Dedicated Secure Digital (SD) slot for removable media
- Integrated IR
- Battery-free, pressure sensitive pen for the ultimate writing experience (application must support pressure sensitivity)
- Additional HP Security Lock Slot

What's Special

- Flexible design with great performance!
- Ultra-light weight and portable
- Warm swap battery support
- Innovative keyboard attachment
- Docking with or without keyboard
- Easy transitions with multi-monitor docking profiles
- Magnesium alloy case and high quality digital pen with tether

QuickSpecs

Standard Features

Processor and Chipset	Intel Pentium M 753* (Ultra Low Voltage 1.2-GHz processor, 2-MB cache and 400-MHz Front Side Bus)	
	Intel Pentium M 733* (Ultra Low Voltage 1.1-GHz processor, 2-MB cache and 400-MHz Front Side Bus)	
	Intel Pentium M 713* (Ultra Low Voltage 1.1-GHz processor , 1-MB cache, 400-MHz Front Side Bus)	
	Intel Celeron M 373* (Ultra Low Voltage 1.0-GHz speed, 512-KB cache, 400-MHz front side bus)	
	Intel 855PM chipset	
	NOTE: Not available in all regions.	
	*NOTE: Intel's numbering is not a measurement of higher performance.	

Operating System	Pre-installed	Microsoft Windows XP Tablet Edition 2005 and Windows XP Service Pack 2

Display	Internal	10.4-inch color TFT XGA with 1024 x 768 resolution (up to 16.7M colors internal) NOTE: All products have at least 100 degree wide viewing angle. SKUs available with 160- or 100-degree viewing angle.
	External	Up to 32-bit per pixel color depth Supports 640 x 480, 800 x 600, 1024 x 768, 1280 x 768, 1280 x 1024, or 1600 x 1200 resolutions up to 100-Hz refresh rate, dependent upon monitor capability, and resolution and color depth settings

Memory	Standard 256- or 512-MB (333-MHz) SDRAM on select models
	Maximum 2-GB (333-MHz) SDRAM
	NOTE: Memory is upgradeable to 2 GB with 1 GB (333-MHz) DRAM in each memory slot. One memory slot is available for user configuration. The other slot is factory configured or can be upgraded through an HP authorized service provider.
	NOTE: Due to the non-industry standard nature of some third-party memory modules, we strongly recommend using only HP branded memory modules to ensure compatibility.

Graphics	NVIDIA GeForce 4 Go 420 with 32MB (4X APG)

Audio	16-bit stereo sound 2 stereo speakers Headphone out, microphone jack, and headset jack

Communications	Type III Mini PCI integrated WLAN - 802.11b WLAN, 802.11b/g WLAN, and 802.11a/b/g WLAN options
	Internal MDC 56K modem
	Internal 10/100 NIC
	Integrated Bluetooth (on select models)
	NOTE: Designed only to allow faster downloads from high speed compliant sources. Maximum achievable download transmission rates currently do not reach 56 KB/s, and will vary with line conditions.
	NOTE: Communication availability is subject to country regulatory approval.

Standard Features

Command Controls Buttons	The tablet PC comes with Command Control Buttons designed to increase customer productivity by providing one-touch access to rotate screen, favorite Internet destinations, files, or applications.

- 3 programmable pen activated buttons (on top front panel)
- 3 programmable side buttons (Qmenu, Esc, and Tab commands)
- 2 additional specific function buttons (Windows security (Ctrl+Alt+Del) and Display toggle)

Keyboard 95% of full-sized 101-key compatible keyboard with isolated, inverted-T cursor control keys, and right-control key

NOTE: A USB Keyboard is required to unbundle software and edit BIOS settings and may be required to install software.

Pointing Device Battery-free digital pen with tether (one-year warranty)
Detachable keyboard with pointstick

NOTE: Handwriting recognition software is available in Microsoft Windows XP Tablet PC Edition.

PC Card Slots One Type II PC Card Slot that supports both 32-bit CardBus and 16-bit PCMCIA Cards

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Removable Media One Secured Digital (SD) slot

Storage Internal Hard Drive   40-GB (4200 rpm) or 40-GB, 60-GB, 80-GB (5400 rpm) SMART Hard Drives

NOTE: External MultiBay or Tablet PC Docking Station required for MultiBay drives.

Multimedia Integrated 16-bit Sound Blaster Pro-compatible stereo audio
2 Integrated stereo speakers and microphone
Stereo Headphone-out
Mono Headphone-out/Microphone in
Software MPEG1 support

DVD movie playback software available with

- DVD-ROM Drive with DVD movie playback
- DVD/CD-RW Combo Drive
- DVD+RW Drive

NOTE: Voice recognition software available in Microsoft Windows XP Tablet PC Edition. An external boom microphone is recommended for voice recognition.

Standard Features

Interfaces	PC Card Slot	1, Type II
	Secured Digital (SD) Slot	1 removable media (not SDIO)
	External Monitor/Projector	1 Analog VGA
	Stereo Headphone	1, 3.5 mm stereo headphone jack
	Mono Headphone/ Microphone	1, 2.5 mm headset jack
	Stereo Microphone in	1, 3.5 mm microphone jack
	Modem	1 RJ-11
	NIC	1 RJ-45
	USB 2.0 Port	2, 1 with support for External MultiBay
	LED Status Indicators	3 (Power connection, battery charge, and wireless active)
	AC Power	1
	Fast Infra-red (VFIR)	1

Security	Setup Password with pen support
	Power-On Password with pen support
	DriveLock – requires password to access hard drive
	Enabled by PC Card options
	BIOS WLAN lock – prevents the replacement with unauthorized WLAN cards
	2 HP Security locks – physically secure unit while in tablet, docking, or notebook modes

Software	Pre-installed Software	HP Mobile Printing for Notebooks
		HP Help and Support (XP Only)
		Safety and Comfort Guide
		Adobe Acrobat® Reader v. 5.10
		Microsoft Reader v. 2.5
		Zinio Reader v.1.4
		Sun Java 1.4
		Windows Media Player 9 for XP
		HP Tablet PC Tour
		Intervideo WinDVD Playback Software v. 4 (Pre-loaded)
	Recommended software/services	Availability of recommended software applications or services may vary by region and may require additional purchase and/or subscription
		FranklinCovey PlanPlus (30 day trial period)
		MindJet MindManager 2002 for Tablet PC (21 day trial period)
		Alias SketchBook Pro (15 day trial period)
		Zinio (see Digital Magazine icon on Tablet PC desktop for more information)
		ScanSoft Omniform Filler 5.1 and Dragon Naturally Speaking Standard Edition 7.1 (available as a special configuration)
	Additional software available through the web	HP Client Manager Software
		HP ProtectTools Smart Card Security Manager
		QuickLook for the HP Tablet PC TC1100 series

*NOTE: Software is loaded on the hard drive and must be installed by running the Software Setup utility.

Standard Features

System Recovery   Each unit is shipped with a recovery CD kit containing Operating System Recovery and Driver/Application Recovery CDs. These CDs allow users to either recover or repair the tablet's operating system and select drivers without losing personal data. The Operating System CD also provides the option of reinstalling the operating system software provided with the tablet.

Power Supply   65W External AC Adapter

Battery   40W/Hr internal main rechargeable Lithium-Ion battery (one-year warranty)

Bridge battery – Allows user to swap main battery with the system in standby mode

The HP Compaq Tablet PC TC1100 6-cell primary Lithium-Ion battery provides up to 4.5 hours of battery life.

NOTE: Actual results may vary with product model, configuration, and individual usage. Hewlett-Packard testing of a HP Compaq TC1100 with an Intel Pentium M processor 733 1.1 GHz CPU, Windows XP Tablet Edition, 10.4-inch XGA LCD, 512-MB RAM, 40-GB HDD, 6-cell Lithium-Ion battery, and NIC/modem, achieved an overall Business Winstone® 2002 BatteryMark score of 4h 38m Business Winstone 2002 BatteryMark Version 1.0 units. Winstone® is a registered trademark and BatteryMark™ is a trademark of Ziff Davis Publishing Holdings Inc. in the U.S. and other countries. Copyright 2002 Ziff Davis Media Inc. All Rights Reserved. System parameters followed test recommendations: panel brightness 50%, power management scheme – Laptop/Portable, hard drive, standby and video timers set to never, not external devices connected and all wireless turned off.

Battery Re-Charge Time	System in OFF mode or Standby	3 hours
	System ON (depending on system power consumption)	3-5 hours

Power Conservation   Instant-on via Standby
Hibernation
ACPI compliant

MultiBay Devices
(with optional External MultiBay or Docking Station)   Under Microsoft Windows XP Tablet PC Edition, MultiBay devices may be hot swapped. Writeable drives should only be swapped with power off. The Common MultiBay devices are compatible across TC1000 and TC1100 tablets, and multiple business notebook platforms enabling a lower total cost of ownership.

QuickSpecs

HP Compaq Tablet PC TC1100

Standard Features

Wireless Devices	The HP tablet TC1100 supports a range of secure, integrated wireless LAN options featuring support for the latest industry standards. Integrated Bluetooth is also an option and can be combined with any one of the supported wireless LAN options.

	All integrated wireless LAN options	Wi-Fi certified Cisco Compatible Extensions support Wired Equivalent Privacy (WEP) support up to 128bit keys Wi-Fi Protected Access (WPA) support 802.1x standards support including EAP-TLS, Protected EAP (PEAP) and Cisco-EAP (LEAP) Dual antennas integrated in the display enclosure
	HP W500 802.11a/b/g	Integrated support for 802.11a, b and g Up to 54mbps throughput performance Advanced Encryption Standard (AES) support
	Intel PRO/Wireless 2915ABG 802.11 a/b/g wireless LAN	Intel® Centrino™ mobile technology Integrated support for 802.11a/b/g Up to 54mbps throughput performance
	Intel PRO/Wireless 2200BG 802.11b/g wireless LAN	Intel® Centrino™ mobile technology Integrated support for 802.11b, g Up to 54mbps throughput performance
	Intel PRO/Wireless 2100 802.11b wireless LAN	Intel® Centrino™ mobile technology Integrated support for 802.11b Up to 11mbps throughput performance
	Integrated Bluetooth	Designed to the Bluetooth v1.1 specification

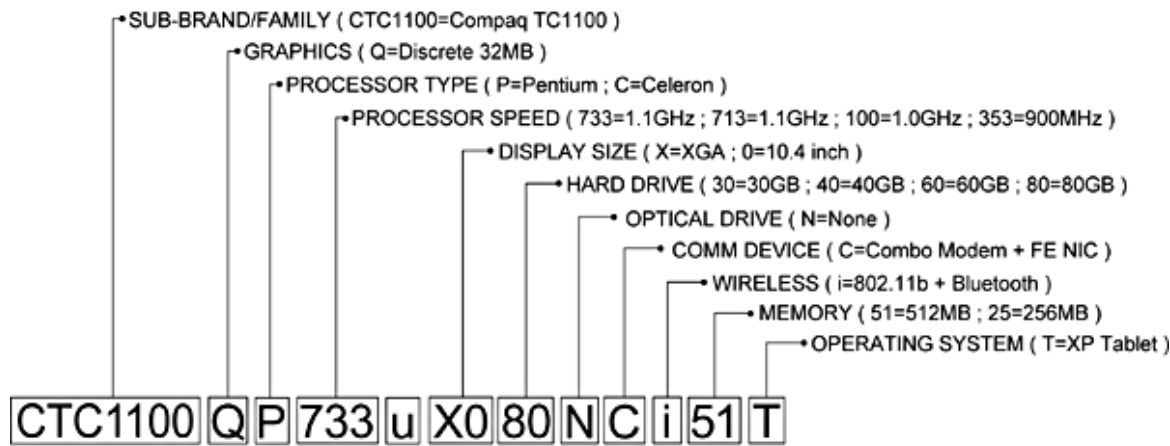| Docking	The HP Tablet PC Docking Station provides simple and convenient port management MultiBay drives. Features include NIC pass through, four USB 2.0 including 1 Powered External USB MultiBay connector, VGA, line in/line out, and MutliBay slot. The docking solutions are compatible across TC1000 and TC1100 tablets enabling a lower total cost of ownership.

Service and Support	HP Services includes a One-Year or Three-year, Worldwide Limited Warranty, pick-up or carry-in (in select countries) and toll-free 7 x 24 hardware technical phone support. NOTE: Certain restrictions and exclusions apply. Consult the HP Customer Support Center for details.

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QuickSpecs

Standard Features

The Etymology of a Model name:

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•SUB-BRAND/FAMILY ( CTC1100=Compaq TC1100 )
 •GRAPHICS ( Q=Discrete 32MB )
  •PROCESSOR TYPE ( P=Pentium ; C=Celeron )
   •PROCESSOR SPEED ( 733=1.1GHz ; 713=1.1GHz ; 100=1.0GHz ; 353=900MHz )
    •DISPLAY SIZE ( X=XGA ; 0=10.4 inch )
     •HARD DRIVE ( 30=30GB ; 40=40GB ; 60=60GB ; 80=80GB )
      •OPTICAL DRIVE ( N=None )
       •COMM DEVICE ( C=Combo Modem + FE NIC )
        •WIRELESS ( i=802.11b + Bluetooth )
         •MEMORY ( 51=512MB ; 25=256MB )
          •OPERATING SYSTEM ( T=XP Tablet )

CTC1100 Q P 733 u X0 80 N C i 51 T
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CTC1100QP110X040NCc25T
PR092UA#ABA
(Intel® Centrino™ Mobile Technology)

CPU	Intel Pentium M 713* (Ultra Low Voltage 1.1-GHz processor , 1-MB cache, 400-MHz Front Side Bus)
Operating System	Microsoft Windows XP Tablet PC Edition
Display	10.4-inch color TFT XGA with 1024 x 768 resolution (100 degree viewing angle)
Memory	Standard 256MB 333-MHz DDR SDRAM with one open slot
	Maximum 2GB, 1GB 333MHz DDR SDRAM in each slot
Hard Drive	40GB (4200rpm)
Discrete Video	NVIDIA - GeForce 4 Go 420 32MB (4X AGP)
Communications	Internal MDC 56K modem, NIC 10/100 Intel Pro/Wireless WLAN 802.11b/g
Input Device	Tablet PC Pen with tether, HP Tablet PC Keyboard with Pointstick
Battery	6-cell Lithium-Ion
Warranty	One year

CTC1100QP110X040WCf51T
PP834AA#ABA
(Intel® Centrino™ Mobile Technology)

CPU	Intel Pentium M 733* (Ultra Low Voltage 1.1-GHz processor, 2-MB cache and 400-MHz Front Side Bus) *NOTE: Intel's numbering is not a measurement of higher performance.
Operating System	Microsoft Windows XP Tablet PC Edition
Display	10.4-inch color TFT XGA with 1024 x 768 resolution (160 degree viewing angle)
Memory	Standard 512MB 333-MHz DDR SDRAM with one open slot
	Maximum 2GB, 1GB 333MHz DDR SDRAM in each slot
Hard Drive	40GB (5400rpm)
Discrete Video	NVIDIA - GeForce 4 Go 420 32MB (4X AGP)
Communications	Internal MDC 56K modem, NIC 10/100, Intel Pro/Wireless WLAN 802.11b/g, Bluetooth
Input Device	Tablet PC Pen with tether, HP Tablet PC Keyboard with Pointstick
Battery	6-cell Lithium-Ion
Warranty	Three year

QuickSpecs

HP Compaq Tablet PC TC1100

Standard Features

CTC1100QP120X060NCf51T	CPU	Intel Pentium M 753* (Ultra Low Voltage 1.2-GHz processor, 2-MB cache and 400-MHz Front Side Bus)
PX284AA#ABA		*NOTE: Intel's numbering is not a measurement of higher performance.
(Intel® Centrino™ Mobile Technology)	Operating System	Microsoft Windows XP Tablet PC Edition
	Display	10.4-inch color TFT XGA with 1024 x 768 resolution (160 degree viewing angle)
	Memory	Standard 512MB 333-MHz DDR SDRAM with one open slot
		Maximum 2GB, 1GB 333MHz DDR SDRAM in each slot
	Hard Drive	60GB (5400rpm)
	Discrete Video	NVIDIA - GeForce 4 Go 420 32MB (4X AGP)
	Communications	Internal MDC 56K modem, NIC 10/100, Intel Pro/Wireless WLAN 802.11b/g, Bluetooth
	Input Device	Tablet PC Pen with tether, HP Tablet PC Keyboard with Pointstick
	Battery	6-cell Lithium-Ion
	Warranty	Three year

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Options

Memory	256-MB 333-MHz RAM Memory Upgrade	DC389B
	512-MB 333-MHz RAM Memory Upgrade	DC390B
	1-GB 333-MHz RAM Memory Upgrade	DC890B

NOTE: Due to the non-industry standard nature of some third-party memory modules, we strongly recommend using only HP branded memory modules to ensure compatibility.

MultiBay Devices	DVD+RW/CD-RW Drive	DG189A
	24X Combo DVD/CD-RW Drive	DC364A
	8X DVD Drive	DC352A
	24X Max CD-ROM Drive	DC351A
	MultiBay Diskette Drive	DC362A

NOTE: MultiBay devices may only be used in External MultiBay or Docking Station MultiBay.

MultiBay Storage	40-GB MultiBay Hard Drive (4200 rpm)	263472-B25
	60-GB MultiBay Hard Drive (5400 rpm)	DC894A
	80-GB MultiBay Hard Drive (5400 rpm)	DC920A

NOTE: MultiBay hard drive options may only be used in External MultiBay or Docking Station MultiBay.

Expansion Bases	Tablet PC Docking Station	DC911A#ABA
	External MultiBay	DC373A#ABA

Power	Tablet PC Lithium-Ion battery pack (internal)	DC907A

Common Power Solutions	Battery Charger (single)	DF933A#ABA
	Battery Charger (multiple)	DF932A#ABA
	65W AC Adapter	DC359A#ABA
	90W Auto Adapter	DC303B
	90W Aircraft Cables	DC899A

Input Devices	Tablet PC Mobile Keyboard	PC875A#ABA
	Tablet PC Pen with tether	DG937A
	Tablet PC Pen with eraser	DM685A
	Wireless Keyboard & Mouse	DL989A#ABA
	USB/PS2 Keyboard & Mouse	DM687A#ABA
	External Enhanced III Keyboard (carbon)	DC852A#ABA
	USB Travel Optical Mouse	F2100A
	USB/PS2 Optical Mouse	DC369A

Options

Security	Security Cable Lock	DC368A

Communications	W500 wLAN 802.11a/b/g miniPCI Upgrade	DR469A#ABA
	Intel 802.11b/g wLAN	PF952AA#ABA

Removable Storage	5GB PCMCIA Hard Drive	DF928A
	USB Digital Drive with 128MB	DL702A
	SD Card Memory (128MB)	FA135A#AC3
	SD Card Memory (256MB)	FA136A#AC3
	SD Card Memory (512MB)	FA184A#AC3

Removable Storage - Floppy Drive	USB Floppy Drive	DC361B

Useful Accessories	Tablet PC Executive Slim-line Portfolio	DC912A
	Tablet PC Executive Workstation Portfolio	DC909A

Cases	HP Entry Value	DL617A
	Top Load Nylon	DC915A
	Sport Backpack	DG102A
	Executive Nylon	DC916A
	Executive Leather	DC917A
	Portable Grip	DK504A
	Rugged Case	DK503A

Technical Specifications

System Unit	Dimensions (H x W x D)	10.4-inch TFT panel display	10.8 x 8.5 x 0.8 in (27.4 x 21.6 x 2.0 cm)
	Weight	Approximate	3.1 lb (1.4 kg) Tablet PC only
			4 lb (1.8 kg) Tablet PC with keyboard
	Stand-Alone Power Requirements	Nominal Operating Voltage	14.8 VDC
		Peak Operating Power	40 W
	Temperature	Operating	50° to 95° F (10° to 35° C)
		Non-operating	-4° to 140° F (-20° to 60° C)
	Relative Humidity	Operating	10% to 90% relative humidity, non-condensing
		Non-operating	5% to 90% relative humidity, 101.6° F (38.7° C) maximum wet bulb temperature
	Shock	Operating	10 G, 11 ms, half-sine
		Non-operating	60 G, 11 ms, half-sine
	Vibration	Operating	0.5 G, 10 to 500 Hz, 0.5 Oct/Min sweep rate
		Non-operating	1.0 G, 10 to 500 Hz, 0.5 Oct/Min sweep rate
	Maximum Altitude (unpressurized)	Operating	0 to 10,000 ft (3,048 m), (14.7 to 10.1 psia)
		Non-operating	0 to 30,000 ft (9,144 m), (14.7 to 4.4 psia)

10.4-Inch Color TFT XGA Display	Dimensions (H x W)	9.29 x 6.82 in (23.6 x 17.3 cm)	
	Diagonal Size	10.4 in (26.41 cm)	
	Mounting	Internal Panel Supports, Flange Mounted	
	Number of Colors	Up to 16.8M	
	Contrast Ratio	150:1	
	Brightness	140 nits typical	
	Pixel Resolution	Pitch	0.264 x 0.264 mm
		Format	1024 x 768
		Configuration	RGB stripe
	Backlight	Edge Lit	
	Character Display	80 x 25	
	Wide Viewing Angle	100-degree wide viewing angle or 160-degree ultra wide viewing angle, depending on configuration	

Memory (optional)	Slot 1 (Factory and HP authorized service provider configurable only)	256-MB 266-MHz DDR	Standard with Celeron SKUs (may also use 333 MHz)
		256-MB 333-MHz DDR	
		512-MB 333-MHz DDR	Standard with Pentium SKUs
		1-GB 333-MHz DDR	
	Slot 2 (available)	256-MB 333-MHz DDR	
		512-MB 333-MHz DDR	
		1-GB 333-MHz DDR	

Technical Specifications

External AC Adapter	Weight	0.62 lb (0.28 kg)	
	Power Supply (Input)	Operating Voltage	90 to 260 VAC RMS
		Operating Current	1.7 A RMS
		Operating Frequency Range	47 to 63 Hz AC

Internal Lithium-Ion Battery Pack	Weight	0.65 lb (0.30 kg)	
	Cells	6-cell Lithium-Ion	
	Energy	Voltage	11.1 V
		Amp-hour capacity	3.6 Ah
		Watt-hour capacity	40 Wh
	Temperature	Operating (Charging)	32° to 104° F (0° to 40° C)
		Operating (Discharging)	14° to 122° F (-10° to 50° C)
		Non-operating	-4° to 140° F (-20° to 60° C)
	Battery Re-Charge Time	System in OFF mode or Standby	3 hours
		System ON (depending of system power consumption)	3 to 5 hours

Tablet PC Pen(s)	Pen with tether (standard)	Dimensions (Length)	5.1 in (130.1 mm)
		Weight	0.66 oz (18.7 g)
	Pen with eraser (optional)	Dimensions (Length)	5.1 in (130.1 mm)
		Weight	0.66 oz (18.7 g)

MultiBay DVD+RW/CD-RW Drive (optional)	MultiBay Drive	Dimensions (H x W x D)	0.5 x 5.21 x 4.97 in (1.27 x 13.25 x 12.61 cm)
		Weight	0.55 lb (0.25 kg)
	Center Hole Diameter	15 mm	
	Disk Diameter	12 cm/8 cm	
	Disk Thickness	1.2 mm	
	Track Pitch	0.74 μm	
	Access Times (typical reads, including settling)	Random CD	< 175 ms
		Full-Stroke CD	< 285 ms
	Audio Output Level	Line-out	0.7 Vrms
	Cache Buffer	128 KB/s (minimum)	

QuickSpecs

Technical Specifications

	Data Transfer Rate (typical, including settling)	DVD+R (2X max write)	2700 KB/s
		DVD+RW (2X max write)	2700 KB/s
		CD-R (16X max write)	2400 KB/s (150 KB/s at 1X CD rate)
		CD-RW (8X max write)	1200 KB/s (150 KB/s at 1X CD rate)
		CD-ROM (24X max read)	3600 KB/s (150 KB/s at 1X CD rate)
		DVD (8X max read)	10,800 KB/s (1352 KB/s at 1X DVD rate)
		Normal PIO Mode 4 (single burst)	16.6 MB/s
	Start-up Time	< 15 seconds	
	Stop Time	< 6 seconds	

MultiBay DVD/CD-RW Drive (optional)	MultiBay Drive	Dimensions (H x W x D)	0.5 x 5.22 x 5.46 in (1.35 x 13.28 x 13.88 cm)
		Weight	0.551 lb (250 g)
	Access Times (typical reads, including settling)	Random	<110 ms CD <130 ms DVD
		Full-Stroke	<210 ms CD <225 ms DVD
	Max data transfer rate	24X CD-ROM	3,600 KB/s
		8X DVD	10,800 KB/s
		24X CD-R	3,600 KB/s
		24X CD-RW	3,600 KB/s
	Transfer Mode	Multiword DMA Mode 2	
	Interface	EIDE	
	Supported Media (read)	CD-DA, CD+(E)G, CD-MIDI, CD-TEXT, CD-ROM, CD-ROM XA, MIXED MODE CD, CD-I, CD-I Bridge (Photo-CD, Video CD), Multisession CD (Photo-CD, CD-EXTRA, Portfolio, CD-R, CD-RW), CD-R, CD-RW, DVD-ROM (DVD-5, DVD-9, DVD-10, DVD-18), DVD-R, DVD-RW, DVD+R, DVD+RW, DVD-RAM	
	Supported Media (write)	CD-R, CD-RW	
	Media Capacity	4.7 GB	
	Transport	Tray Loading	

Technical Specifications

MultiBay CD-RW Drive (optional)	MultiBay Drive	Dimensions (H x W x D)	0.5 x 5.21 x 4.97 in (1.27 x 13.25 x 12.61 cm)
		Weight	0.74 lb (0.34 kg)
	Center Hole Diameter	0.59 in (1.5 cm)	
	Disk Diameter	12 cm/8 cm	
	Disk Thickness	0.047 in (1.2 mm)	
	Track Pitch	0.74 μm	
	Access Times (typical reads, including settling)	Random	< 150 ms
		Full-Stroke	< 225 ms
	Audio Output Level	Line-out	0.7 Vrms
	Cache Buffer	128 KB/s (minimum)	
	Data Transfer Rate (typical, including settling)	Sustained (16X)	150 KB/s
		Sustained 4X CD-RW	5,520 KB/s
		Normal PIO Mode 4 (single burst)	16.6 MB/s
	Start-up Time	< 15 seconds	
	Stop Time	< 6 seconds	

MultiBay DVD-ROM Drive (optional)	MultiBay Drive	Dimensions (H x W x D)	0.5 x 5.21 x 4.97 in (1.27 x 13.25 x 12.61 cm)
		Weight	0.66 lb (0.3 kg)
	Center Hole Diameter	0.59 in (1.5 cm)	
	Disk Diameter	12 cm/8 cm	
	Disk Thickness	0.43 in (1.09 cm)	
	Track Pitch	0.74 μm	
	Access Times (typical reads, including settling)	Random (typical)	< 180 ms DVD Media
		Full-Stroke (typical)	< 300 ms DVD Media
		Random (typical)	< 120 ms CD Media
		Full-Stroke (typical)	< 200 ms CD Media
	Cache Buffer	512 KB/s (minimum)	
	Data Transfer Rate (typical, including settling)	Max 24X CD	3600 KB/s (150 KB/s at 1X CD rate)
		Max 8X DVD	10,800 KB/s (1352 KB/s at 1X DVD rate)
		Normal PIO Mode 4 (single burst)	16.6 MB/s
	Start-up Time	< 12 seconds	
	Stop Time	< 3 seconds	

Technical Specifications

MultiBay 24X CD-ROM Drive (optional)	MultiBay Drive	Dimensions (H x W x D)	0.5 x 5.21 x 4.97 in (1.27 x 13.25 x 12.61 cm)
		Weight	0.50 lb (0.23 kg)
	Applicable Disk	CD-ROM (Mode 1, 2 and 3), CD-XA ready (Mode 2, Form 1 and 2), CD-I ready (Mode 2, Form 1 and 2), CD-R (read only), CD Plus, Photo CD (Single and Multi-session), CD-Extra, Video CD, CD-WO (fixed packets only), CD-Bridge	
	Center Hole Diameter	0.59 in (15 mm)	
	Disk Diameter	12 cm, 8 cm	
	Disk Thickness	0.047 in (0.12 cm)	
	Track Pitch	1.6 μm	
	Access Times (typical reads, including settling)	Random	< 150 ms
		Full-Stroke	< 300 ms
	Audio Output Level	Line-out	0.7 Vrms
	Cache Buffer	128 KB	
	Data Transfer Rate (typical, including settling)	Sustained (16X)	150 KB/s (sustained 1X)
		Variable	1500 to 3600 KB/s (10X to 24X)
		Normal PIO Mode 4 (single burst)	16.66 MB/s
	Start-up Time	< 8 seconds	
	Stop Time	< 4 seconds	

Internal MDC 56K Modem (Modem Specifications)	Modem Device Driver Name	
	Data Mode Capabilities	56K modem (a-law, mu-law) V.8bis V.80 V.44, V42.bis, MNP5 (Compression) V.42 (LAPM, MNP2-4) (Error Correction) V.34 (file date: 10/96)
		Optional symbol rates: 2800, 3429 Asymmetric Symbol rates
		Synchronous primary channel data signaling rates: 33600, 31200 Automatic rate re-negotiation V.32bis V.32 V.23 V.22bis V.22 V.21 Bell 212A Bell 103J

Technical Specifications

	Fax Mode Capabilities	TIA-578-S (Class 1)
		T.30, T.4 (Group 3)
		V.17
		V.29
		V.27ter
		V.21 Channel 2
	Command Set	V.250 (Partial)
		TIA-602
		Identification: GMI, GMM, GMR
		Port control: IPR, ICF, IFC, Iirr
		Modulation: MS, MR, MA
		Error control: ES, ER, EB, ESR, ETBM
		Data compression: DS, DR
		V.251
	Power Consumption	Transfer mode: < 200 mA, maximum
		Standby mode: 5 mA, nominal

Integrated 10/100 NIC	Ethernet Features	10 Mbit/s operation (10BASE-T; IEEE 802.3i; IEEE 802.3 clauses 13-14)
		100 Mbit/s operation (100BASE-TX; IEEE 802.3u; IEEE 802.3 clauses 21-30)
		Auto-Negotiation (Automatic Speed and Duplex Selection)
		HP Auto-MDIX
		Full Duplex and Half Duplex operation at 10 and 100 Mbit/s
		IEEE 802.3x Flow Control (IEEE 802.3 clauses 31-32; configurable)
	Power Management	ACPI 1.1 compliant -- multiple power modes
		Situation-sensitive features reduce power consumption
	Manageability	PXE 2.0 Remote Boot
		Statistics Gathering (RMON, Ethernet-like MIB, Ethernet MIB (802.3x, clause 30))
		Comprehensive diagnostic and configuration software suite
	NIC Device Driver Name	Broadcom 440x 10/100 Integrated Controller
	Drivers Available	Microsoft Windows XP, Windows 2000
		DOS NDIS2 and ODI

HP W500 802.11a/b/g WLAN (available as a special configuration)	Wireless LAN Standards	IEEE 802 Part 11a (802.11a)
		IEEE 802. Part 11b (802.11b)
		IEEE 802. Part 11g (802.11g)
	Interoperability	Wi-Fi certified
	Frequency Band	2.4 and 5 GHz
	Data Rates	802.11a; 6,9,12,18,24,36,48,54 Mbps
		802.11b; 1,2,5.5,11 Mbps
		802.11g; 6,9,12,18,24,36,48,54 Mbps
	Modulation	Direct Sequence Spread Spectrum
		DBPSK, DQPSK, CCK, OFDM

Technical Specifications

Security	64 and 128 bit WEP encryption	
	Support for WiFi Protected Access (WPA) including TKIP, MIC	
	Hardware-accelerated support for the Advanced Encryption Standard (AES; 256-bit encryption)	
	Support for 802.1x authentication types: EAP-TLS, LEAP (Cisco), PEAP (Microsoft implementation)	
	Support for Cisco Security Features (proven compatibility with Cisco Aironet infrastructure products through the Cisco Compatible Extensions Program).	
Sub-channels	Multinational support with frequency bands and channels compliant to local regulations.	
Media Access Protocol	CSMA/CA (Collision Avoidance) with ACK	
Network Architecture Models	Ad-hoc (Peer to Peer)	
	Infrastructure (Access Point Required)	
Roaming	IEEE 802.11 compliant roaming between 802.11a and 802.11b/g access points	
Output Power	802.11b: 17 dBM (typical)	
	802.11a/g: 15 dBM (typical)	
Power Consumption	Transmit: 2.0 W (max)	
	Receive: 1.5 W (max)	
	Sleep mode: 20 mW (max)	
Power Management	ACPI compliant power management	
	802.11 Compliant Power Saving Mode	
	Power Saving Mode selectable through the configuration utility	
Receiver Sensitivity*	54 Mbps: -70 dBm to 1 Mbps: -90 dbm	
Antenna type	High efficiency dual band antenna with polarization diversity, mounted in the display enclosure	
Range	802.11a - Typical	500 feet - Outdoors Open Area
		150 feet - Indoor, Office-environment
	802.11 b - Typical	1200 feet - Outdoor Open Area
		300 feet - Indoor, Office environment
	802.11 g - Typical	1000 feet - Outdoor Open Area
		200 feet - Indoor, Office environment
Form Factor	MiniPCI Type IIIA	
Weight	0.036 lb (16.5 gm)	
Dimensions	0.19 x 2.00 x 2.35 in (4.8 x 50.95 x 59.75 mm)	
Operating Voltage	3.3v	
Temperature	Operating	32° to 122° F (0° to 50° C)
	Non-operating	-14° to 158° F (-10 to 70° C)
Humidity	Operating	10 to 90%
	Non-operating	5 to 95%
Altitude	Operating	0 to 15,000 ft (4,572 m)
	Non-operating	0 to 40,000 ft (12,192 m)
Configuration Utility	Choice of Configuration Utility:	

- Atheros Client Utility (required for Cisco Compatible Extensions support)
- Microsoft Windows XP Wireless Zero Configuration Utility

NOTE: may also be compatible with certain third party software supplicants

QuickSpecs

HP Compaq Tablet PC TC1100

Technical Specifications

	LED Activity	LED Off - WLAN and Bluetooth Radio OFF; Solid Green LED - WLAN or Bluetooth Radio ON (please refer to your Tablet PC documentation to determine whether WLAN or Bluetooth is activated)

*Receiver sensitivity is measured at a packet error rate of 8% for 802.11b (CKK modulation) and a packet error rate of 10% for 802.11a/g (OFDM modulation)

Intel Pro/Wireless 2915ABG 802.11a/b/g WLAN	Wireless LAN Standards	IEEE 802.11a IEEE 802.11b IEEE 802. 11g
	Interoperability	Wi-Fi certified (details available at http://www.hp.com/go/WLAN)
	Frequency Band	2.4 and 5 GHz
	Data Rates	802.11b: 1, 2, 5.5, 11 Mbps 802.11g: 6, 9, 12,18, 24, 36, 48, 54 Mbps
	Modulation	Direct Sequence Spread Spectrum DBPSK, DQPSK, CCK, OFDM
	Security	Supports 64- and 128-bit WEP, WPA, hardware-accelerated AES, 802.1x authentication types EAP-TLS, EAP-TTLS, PEAP-GTC, PEAP-MSCHAPv2, LEAP, EAP-FAST. Support for Cisco Security Features (proven compatibility with Cisco Aironet infrastructure products through the Cisco Compatible Extensions Program).
	Sub-channels	Multinational support with frequency bands and channels compliant to local regulations.
	Media Access Protocol	CSMA/CA (Collision Avoidance) with ACK
	Network Architecture Models	Ad-hoc (Peer to Peer) Infrastructure (Access Point Required)
	Roaming	IEEE 802.11 compliant roaming between access points.
	Output Power	+16 dBm +/- 2dB'+16 dBm +/- 2dB (for CKK) +15 dBm + 2 / -5 dB ((for OFDM; power varies by data rate)
	Power Consumption	Transmit: 1.8 Watts (max) Receive: 1.4 Watts (max) Idle mode: 100 mW, nominal
	Power Management	ACPI compliant power management 802.11 Compliant Power Saving Mode
	Receiver Sensitivity*	54 Mbps: -72 dBm, 11 Mbps: -89 dBm , 1 Mbps: -97 dBm
	Antenna type	High efficiency dual band antenna with polarization diversity, mounted in the display enclosure

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Technical Specifications

	Range (typical)	802.11a - Typical	600 ft (82.88 m) at 1 Mbps - Outdoors Open Area 150 ft (45.72 m) at 1 Mbps - Indoor, Office-environment
		802.11b - Typical	1200 ft (365.76 m)at 1 Mbps - Outdoors Open Area 300 ft (91.44 m) at 1 Mbps - Indoor, Office-environment 250 ft (76.2 m)at 54 Mbps - Indoor, Office-environment
		802.11g - Typical	1200 ft (365.76 m) at 1 Mbps - Outdoors Open Area 300 ft (91.44 m) at 1 Mbps - Indoor, Office-environment 50 ft (15.24 m)at 54 Mbps - Indoor, Office-environment
	Form Factor	MiniPCI Type IIIB	
	Weight	0.026 lb (11.75 g) max	
	Dimensions	0.20 x 1.75 x 2.34 in (4.9 x 44.6 x 59.8 mm)	
	Operating Voltage	3.3v +/- 10%	
	Temperature	Operating Non-operating	32° to 176°F (0° to 80°C) -40° to 176°F (-40° to 80°C)
	Humidity	Operating Non-operating	0 to 90% (non-condensing) 5 to 95% (non-condensing)
	Altitude	Operating Non-operating	0 to 10,000 ft (3,048 m) 0 to 50,000 ft (15,240 m)
	Configuration Utility	Microsoft Windows XP Wireless Zero Configuration Utility Intel PROset for Microsoft Windows 2000 or XP	
	LED Activity	LED Off - Radio OFF; Solid LED - Radio ON	

*Receiver sensitivity is measured at a packet error rate of 8% for 802.11b (CKK modulation) and a packet error rate of 10% for 802.11a/g (OFDM modulation).

Intel Pro/Wireless 2200BG 802.11b/g WLAN	Wireless LAN Standards	IEEE 802.11b IEEE 802. 11g
	Interoperability	Wi-Fi certified (details available at http://www.hp.com/go/WLAN)
	Frequency Band	2.402 - 2.494 GHz
	Data Rates	802.11b: 1, 2, 5.5, 11 Mbps 802.11g: 6, 9, 12,18, 24, 36, 48, 54 Mbps
	Modulation	Direct Sequence Spread Spectrum DBPSK, DQPSK, CCK, OFDM
	Security	64 and 128 bit WEP encryption Support for WiFi Protected Access (WPA) including TKIP, MIC Support for 802.1x authentication types: EAP-TLS, LEAP (Cisco), PEAP (Microsoft implementation); more details available at http://www.hp.com/go/WLAN). Support for Cisco Security Features (proven compatibility with Cisco Aironet infrastructure products through the Cisco Compatible Extensions Program).

Technical Specifications

Sub-channels	Multinational support with frequency bands and channels compliant to local regulations.
Media Access Protocol	CSMA/CA (Collision Avoidance) with ACK
Network Architecture Models	Ad-hoc (Peer to Peer) Infrastructure (Access Point Required)
Roaming	IEEE 802.11 compliant roaming between access points.
Output Power	16 ±2 dBM for CCK 11 +6/-1 dBM for OFDM (power varies by data rate) Maximum output power may vary by country according to local regulations
Power Consumption	Transmit: 1.8 Watts (max) Receive: 1.0 Watts (max) Idle mode: 75mW, nominal
Power Management	ACPI compliant power management 802.11 Compliant Power Saving Mode
Receiver Sensitivity*	54 Mbps: -72 dBm, 11 Mbps: -84 dBm , 1 Mbps: -94 dBm
Antenna type	High efficiency dual band antenna with polarization diversity, mounted in the display enclosure

Range (typical)	Outdoor	1200 feet at 1 Mbps 250 feet at 54 Mbps
	Indoor	300 feet at 1 Mbps 50 feet at 54 Mbps

Form Factor	MiniPCI Type IIIB
Weight	0.026 lb (11.75 g) max
Dimensions	0.20 x 1.75 x 2.34 in (4.9 x 44.6 x 59.8 mm)
Operating Voltage	3.3 V

Temperature	Operating	32° to 158° F (0° to 70° C)
	Non-operating	-40° to 176° F (-40° to 80° C)
Humidity	Operating	0 to 90% (non-condensing)
	Non-operating	5 to 95% (non-condensing)
Altitude	Operating	0 to 10,000 ft (3,048 m)
	Non-operating	0 to 50,000 ft (15,240 m)

Configuration Utility	Choice of Configuration Utility:

- Intel PROset for Microsoft Windows 2000 or XP (required for Cisco Compatible Extensions support)
- Microsoft Windows XP Wireless Zero Configuration Utility

NOTE: May also be compatible with certain third party software supplicants.

LED Activity	LED Off - Radio OFF; Solid LED - Radio ON

*Receiver sensitivity is measured at a packet error rate of 8% for 802.11b (CKK modulation) and a packet error rate of 10% for 802.11a/g (OFDM modulation).

Technical Specifications

Configuration Utility	Choice of Configuration Utility:		

- Intel ProSet (required for Cisco Compatible Extensions support)
- Microsoft Windows XP Wireless Zero Configuration Utility

NOTE: May also be compatible with certain third party software supplicants.

LED Activity   LED Off - Radio OFF; Solid LED - Radio ON

Receiver sensitivity is measured at a packet error rate of 8% for 802.11b (CKK modulation) and a packet error rate of 10% for 802.11a/g (OFDM modulation)

Bluetooth by HP	Form Factor	Integrated USB module	
	Bluetooth	1.1 Compliant	
	Dimensions	26 x 14 x 5.7 mm	
	Temperature	Operating	-4° to 158° F (-20° to 70° C)
		Non-operating	-40° to 176° F (-40° to 80° C)
	Humidity	10 to 90% operating	
		5 to 95% non operating	
	Altitude	Operating	15,000 ft (4572 m)
		Non-operating	40,000 ft (12,192 m)
	Plug and Play	USB 1.1 compliant	
		Microsoft Windows Plug and Play compliant	
	Frequency Band	2402 to 2480 MHz	
	Number of Available Channels	79 (1 MHz) available channels	
	Data Rates and throughput	1 Mbps	
		Synchronous Connection Oriented links up to 3, 64 kbps, voice channels	
		Asynchronous Connection Less links 723.2 kbps/57.6 kbps asymmetric or 433.9 kbps symmetric	
	Antenna type	Internally integrated within module	
	Range	33 ft (10 m)	
	Software Stack Supported	User may choose:	
		Microsoft User Interface (Profiles supported: HID, DUN, HCRP)	
		Widcomm User Interface (see profile support below)	
	Profile Support	General Access Profile	
		Service Discovery Application Profile	
		Serial Port Profile	
		Generic Object Exchange Profile	
		File Transfer Profile	
		Synchronization Profile	
		Dial-Up Networking Profile	
		LAN Access Profile	
		Object Push Profile	
		Hard Copy Cable Replacement Profile	
		Personal Area Networking Profile	
		Human Interface Device Profile	

Technical Specifications

Usage Models	Service Discovery (determine what Bluetooth devices are within range and support authorization)
	Synchronization: PDAs to PCs Portable to Desktop
	File Transfer: File and directory browsing and navigation on another Bluetooth device. File copying Object manipulation - including add, delete, create new folders etc. Wireless link to Corporate LAN using several Bluetooth devices sharing the same
	Access Point: Corporate email, network neighborhood, access to LAN applications, file transfer, ftp, Internet browsing, etc, using TCP/IP Wireless link to WAN thru cell phone Agnostic to WAN technology Send/receive SMS messages Wireless link to Printer Adhoc peer to peer networking (two computers) or Personal Area Networking (PAN) using NDIS (< 7 computers) Adhoc Bluetooth Pico-networking (point to multi-point) Object Push - Business card or appointment exchange **Human Interface Devices** Wirelessly interface to notebook with mouse, keyboard, etc **Printing** Wirelessly print to Bluetooth enabled printers
Transmit Power	-6dBm to 4 dBm (Bluetooth Class II)
Receive Sensitivity	Better than -80 dBM at 0.1 % raw bit error rate
Link Topology	Point to Point, Multipoint Pico Nets up to 7 slaves
Security	Full support of Bluetooth Security Provisions
Network Architecture Models	Ad-hoc (Peer to Peer) Infrastructure (Access Points Required)
Power Requirement	Peak < 270 mW
Power Management	Microsoft Windows ACPI, and USB Bus Support
	Wireless EAB On/Off
	Software On/Off control
	Self configurable to optimize power conservation in all operating modes, including Standby, Hold, Park, and Sniff
Protocols Supported	TCP/IP
	IPX/SPX
	UDP
LED Activity	Solid Green LED - Wireless Bluetooth or WLAN On LED Off - Wireless Bluetooth and WLAN Power Off (please refer to your Tablet PC documentation to determine whether WLAN or Bluetooth is activated)

Technical Specifications

Certifications	All necessary regulatory approvals for countries we support including
	FCC (47 CFR) Part 15C, Section 15.247 & 15.249
	ETS 300 328, ETS 300 826
	Low Voltage Directive IEC950
	UL, CSA, and CE Mark